

Fig. 1

100 → SDO\_GEORASTER object type:

```
110 CREATE TYPE sdo_georaster AS OBJECT (  
102 rasterType NUMBER,  
104 spatialExtent SDO_GEOMETRY,  
106 rasterDataTable VARCHAR2(32),  
108 rasterID NUMBER,  
metadata XMLType);
```

Fig. 2

200 → SDO\_RASTER object type:

```
206 CREATE TYPE sdo_raster AS OBJECT (  
208 rasterID NUMBER,  
210 pyramidLevel NUMBER,  
212 bandBlockNumber NUMBER,  
214 rowBlockNumber NUMBER,  
204 columnBlockNumber NUMBER,  
202 blockMBR SDO_GEOMETRY,  
rasterBlock BLOB);
```

Fig. 3

GeoRaster system data table:

```
300 CREATE TABLE SDO_GEOR_SYSDATA_TABLE
302 (
304     SDO_OWNER          VARCHAR2(32),
306     GEORASTER_TABLE_NAME  VARCHAR2(32) NOT NULL,
308     GEORASTER_COLUMN_NAME VARCHAR2(1024) NOT NULL,
310     GEOR_METADATA_COLUMN_NAME VARCHAR2(1024),
312     RDT_TABLE_NAME       VARCHAR2(32),
314     RASTER_ID            NUMBER,
    OTHER_TABLE_NAMES      SDO_STRING_ARRAY,
    CONSTRAINT unique_georasters
    PRIMARY KEY (SDO_OWNER, RDT_TABLE_NAME, RASTER_ID)
);
```

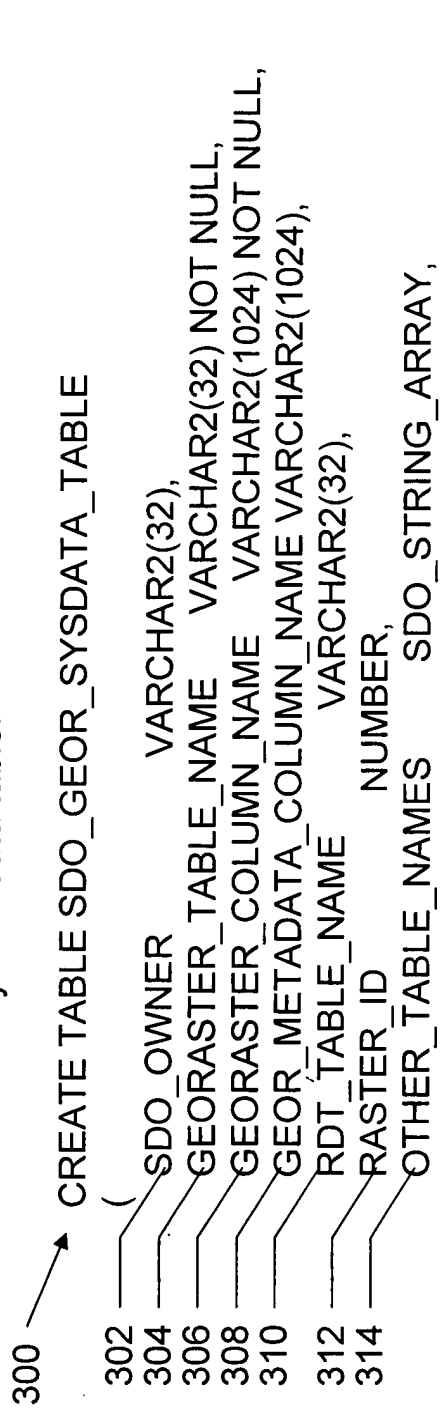


Fig. 4

400



USER\_SDO\_GEOR\_SYSDATA view definition:

```
(  
  TABLE_NAME VARCHAR2(32),  
  COLUMN_NAME VARCHAR2(1024),  
  METADATA_COLUMN_NAME VARCHAR2(1024),  
  RDT_TABLE_NAME VARCHAR2(32),  
  RASTER_ID NUMBER,  
  OTHER_TABLE_NAMES SDO_STRING_ARRAY  
);
```

Fig. 5

500 → ALL\_SDO\_GEOR\_SYSDATA view definition:

```
( OWNER VARCHAR2(32),  
  TABLE_NAME VARCHAR2(32),  
  COLUMN_NAME VARCHAR2(1024),  
  METADATA_COLUMN_NAME VARCHAR2(1024),  
  RDT_TABLE_NAME VARCHAR2(32),  
  RASTER_ID NUMBER,  
  OTHER_TABLE_NAMES SDO_STRING_ARRAY  
);
```

Fig. 6

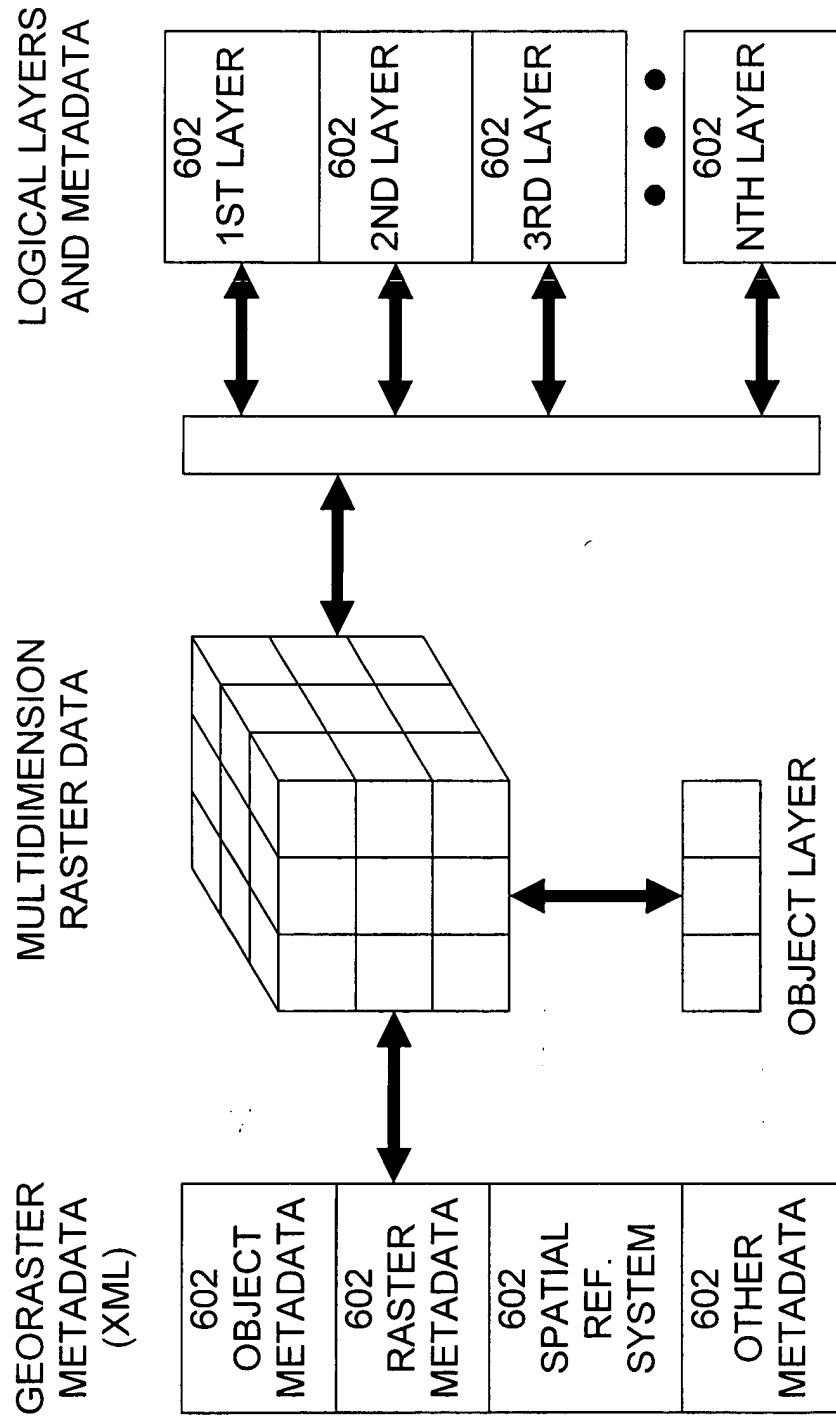


Fig. 7

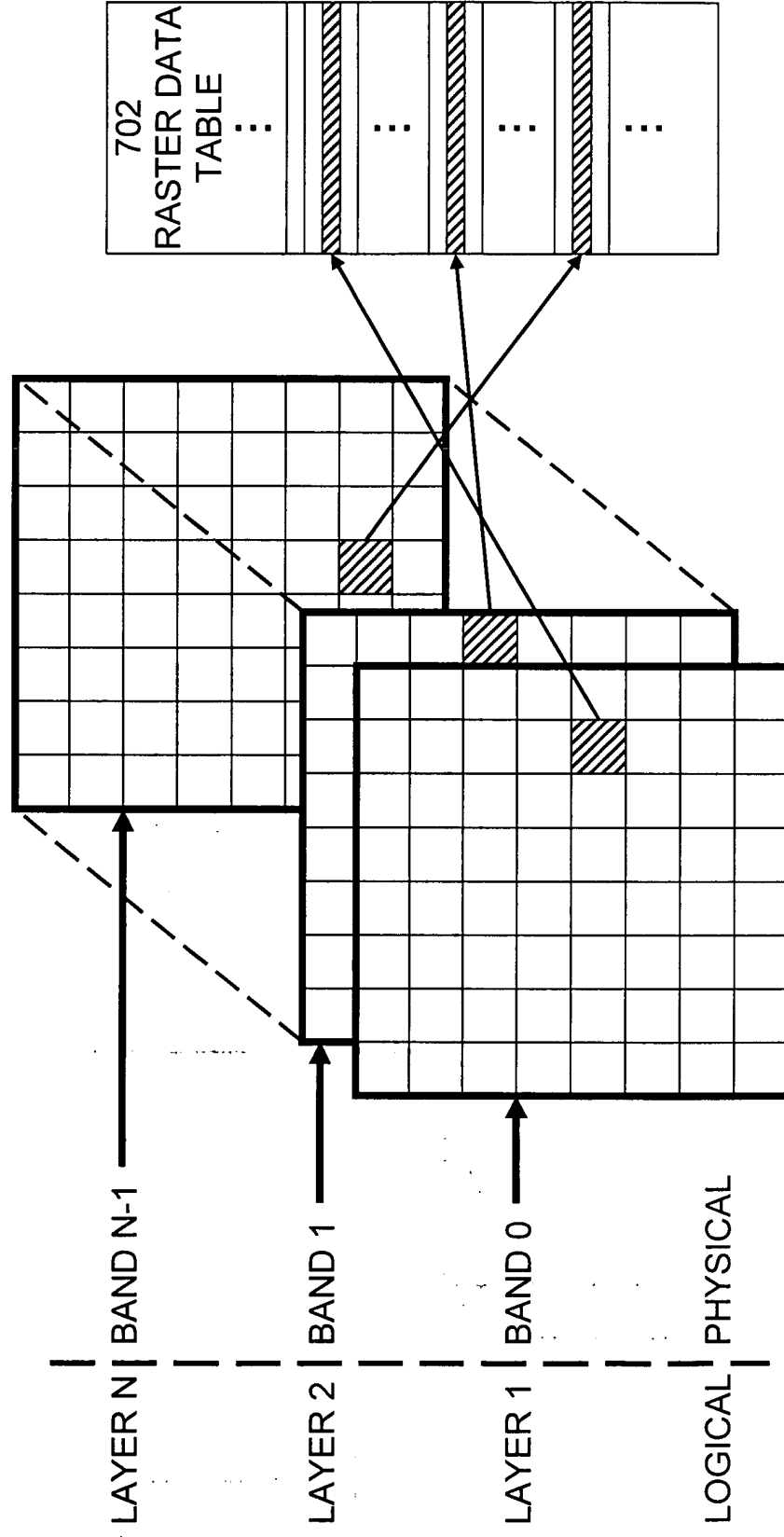


Fig. 8

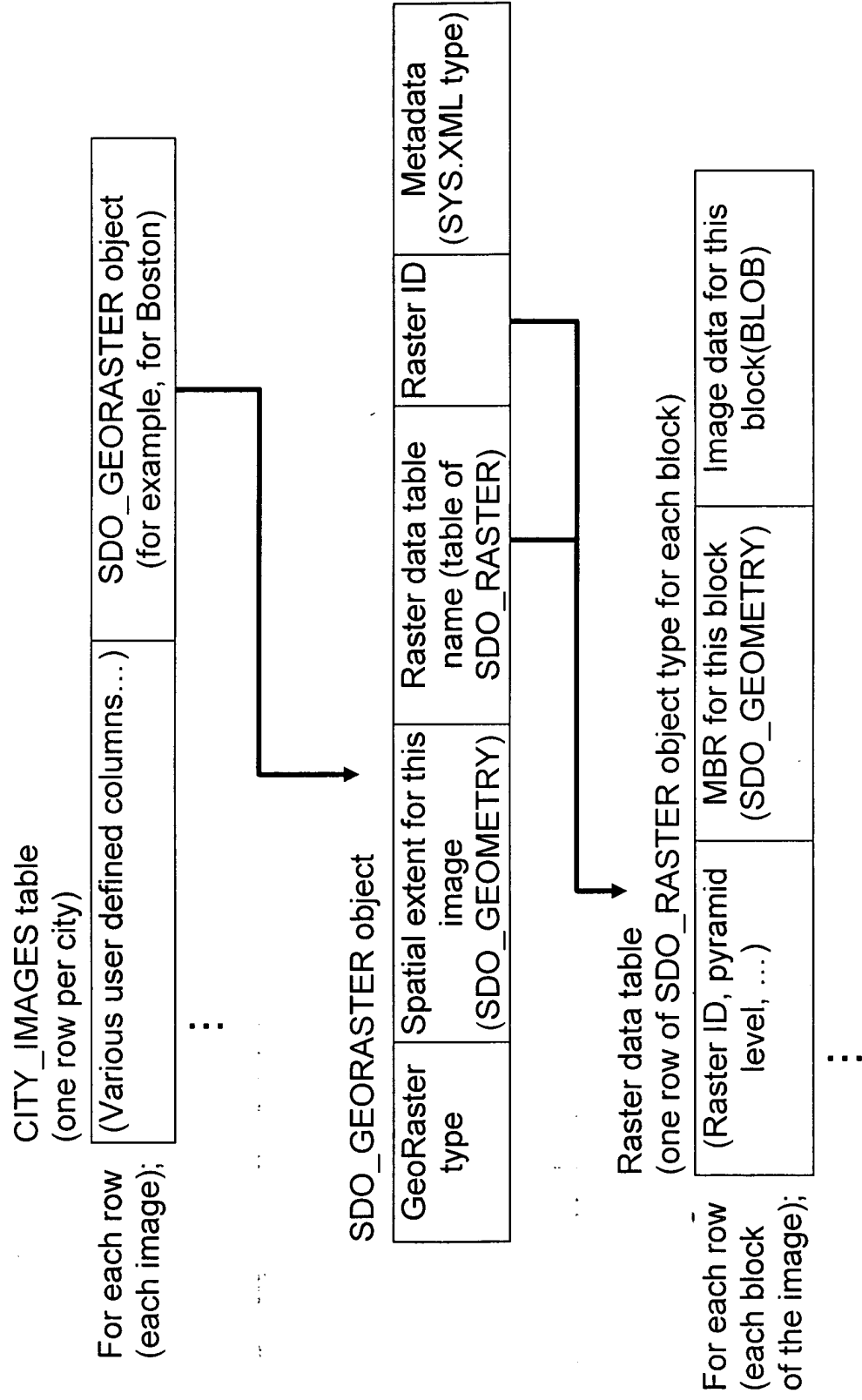


Fig. 9

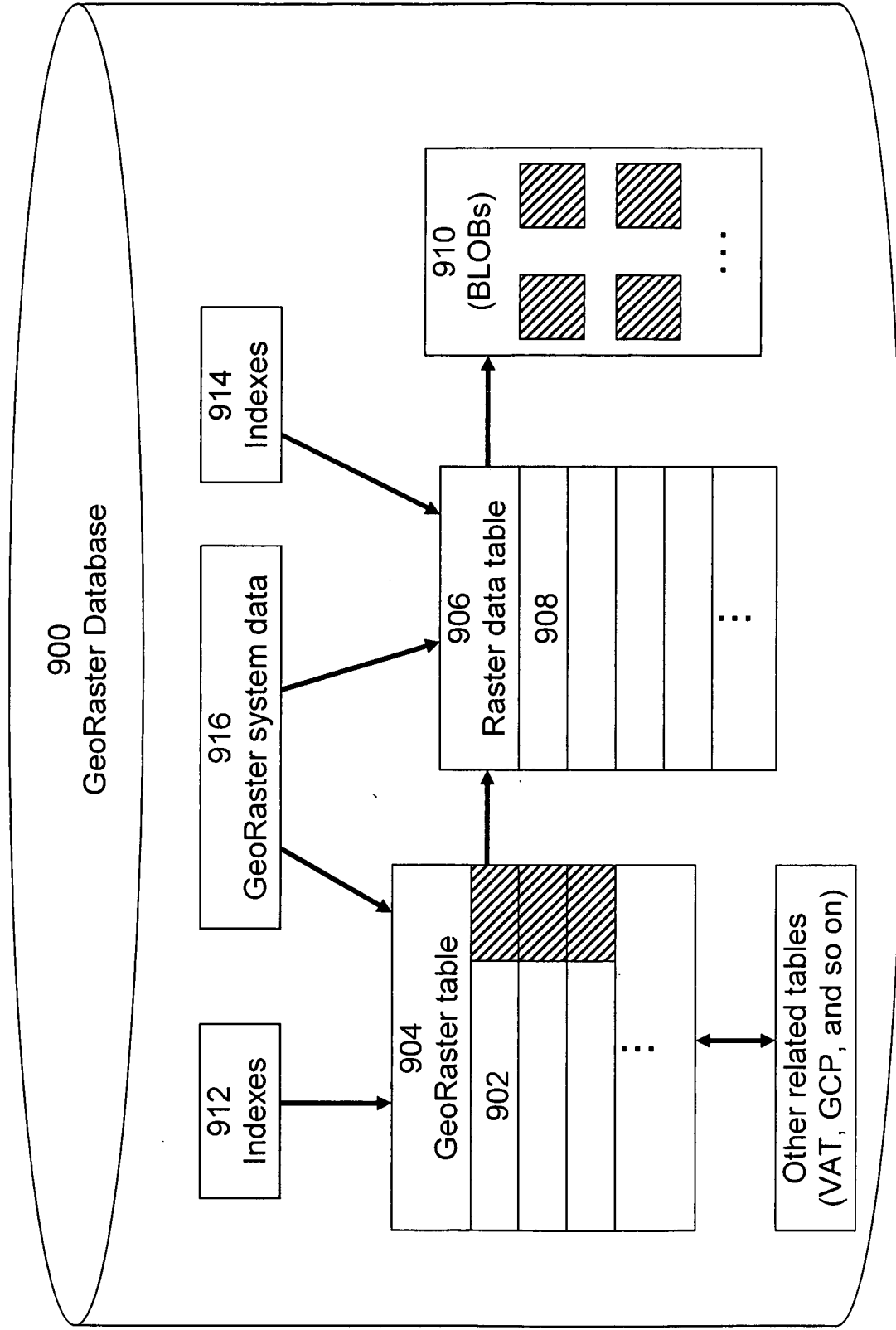




Fig. 10

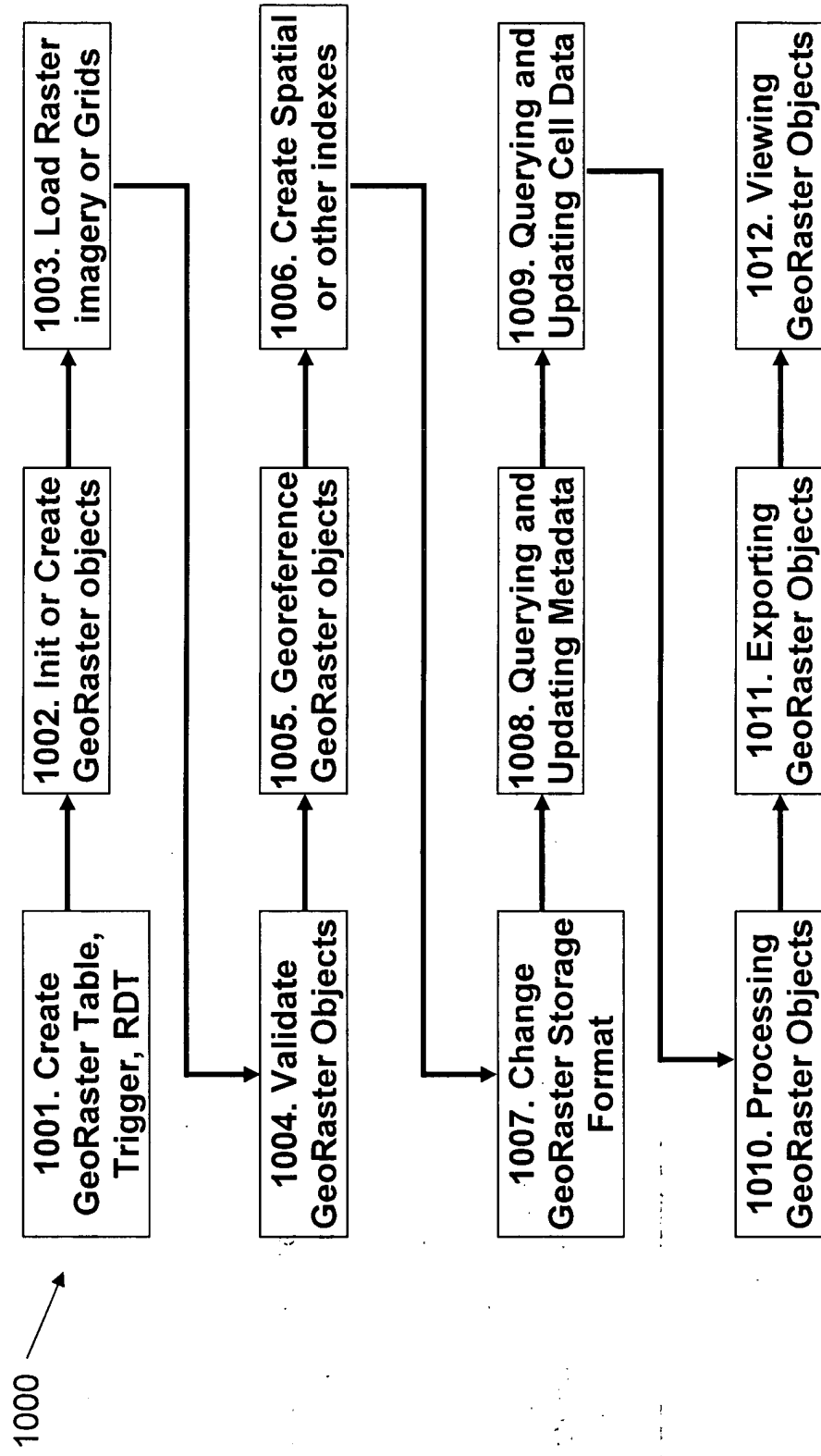


Fig. 11

